



401 South Grand Ave., Santa Ana, CA 92705 USA
Tel: 714-550-6070 Fax: 714-550-9661 www.twobros.com

Takegawa Heavy Duty Clutch Kit for Honda XR50

Part # 010-3-01-0211



Care & Cleaning / Warranty

Warranty

Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.

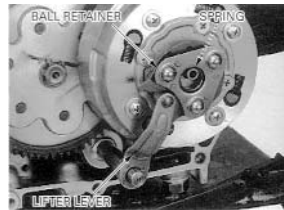
IMPORTANT - PLEASE READ CAREFULLY

We recommend that this performance accessory be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance accessory, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle and exhaust system are completely cool before starting the installation. Also, make sure the bike is secure on the sidestand or ideally a rear service stand during installation. Be sure to save all stock components for possible use later.

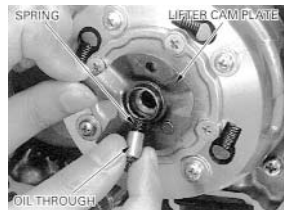
Installation Instructions

1. Make sure the bike is completely cool before starting the installation.
2. Drain engine oil. Remove footpeg bar. Remove kickstarter. Remove rear brake pedal. Remove the right side cover.

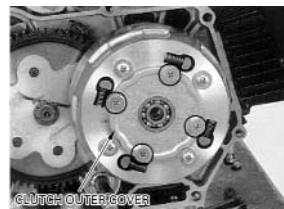
3. Remove the ball retainer and spring. Remove the clutch lifter lever.



Remove the oil through and spring. Remove the clutch lifter cam plate.



4. Remove the four bolts holding the clutch plate. Under this plate is the clutch locknut. Peel back the tab(s) on the lock washer. Remove this nut using either a Honda clutch locknut wrench or the Takegawa clutch locknut wrench (Part # 010-9-01-021, \$26.98 MSRP). A flywheel holder tool may help to remove this part.



5. Remove the lock washer B, 14mm lock washer and clutch assembly.

6. Install the Heavy Duty Centrifugal clutch assembly onto the crankshaft. install clutch assembly onto primary gear. **Be sure to fully seat clutch assembly onto primary gear.** Turn primary gear slowly by hand until clutch assembly drops over gear and into location.



7. A new lock washer is included in the kit. Install it and align the short tabs with grooves in drive plate. Install the spring washer with the outside mark facing out. Install the lock nut and torque to 31ft lbs.



Bend a tab from the lock washer into a groove of the lock nut .

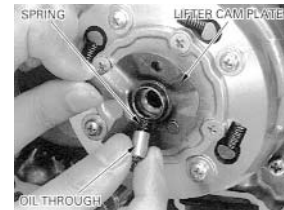
8. Install new outer clutch cover, philips screws and gasket. Tighten screws to 3.6ft lbs.



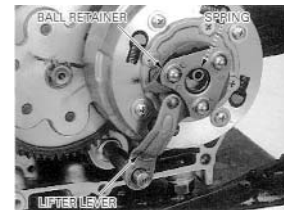
9. Remove bearing from stock outer clutch cover and install it into new outer clutch cover.



10. Install lifter cam plate, oil through, oil through spring



11. Install ball retainer, spring and clutch lifter lever.



12. Reinstall the following
 - Right side cover and new gasket
 - Rear brake pedal (adjust free play)
 - Kickstarter (see diagram on page 2)
 - Footpeg bar

13. Reinstall the 14mm lock washer, lock washer B (with its "OUTSIDE" mark facing out) and lock nut. Using a flywheel holder torque lock nut to 31 lbs-ft (42 Nm). If the lock nut groove does not align with the lock washer tab further tighten the lock nut until aligned.

14. Fill engine with 0.8 qt of SAE 10w-30 engine oil.

15. Adjust clutch by loosening lock nut located on right side of engine cover (14mm nut). Turn adjuster screw counter

clockwise until it you feel resistance. Then turn screw clockwise 1/8 turn and tighten lock nut. Check for proper clutch engagement by putting bike in gear and holding shift lever up. Roll bike forward with shift lever in the up position and then release shift lever, you should not be able to push the bike forward. The shift lever will disengage the clutch when the shift lever is up or down when adjusted properly. Next check operation with engine running

16. Before you run the bike, double check your work.

17. Start engine and let it idle for 2-3 minutes. Stop engine and inspect for any oil leaks. Double check oil level.

Kick Starter Diagram

